RUDRAPRASAD CONSULTANTS

NAME OF WORK: CONSTRUCTION OF COMPOUND WALL AND OTHER ALLIED WORKS AT JUDICIAL LAYOUT PLAY GROUND IN WARD NO.04

DETAILED PROJECT REPORT

SUBMITTED TO B.B.M.P, BANGALORE

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BRUHAT BENGALURU MAHANAGARA PALIKE

CONSTRUCTION OF COMPOUND WALL AND OTHER ALLIED WORKS AT JUDICIAL LAYOUT PLAY GROUND IN WARD NO.04

DETAILED PROJECT REPORT

RUDRAPRASAD CONSULTANTS
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Yelahanka division
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PROJECT: "CONSTRUCTION OF COMPOUND WALL AND OTHER ALLIED WORKS AT JUDICIAL LAYOUT PLAY GROUND IN WARD NO.04".

INTRODUCTION:

BENGALURU

Bengaluru officially known as Bangalore, is the capital of the Indian state of Karnataka. It has a population of about 13.9 million, making it the third most populous city and fifth most populous urban agglomeration in India. Located in southern India on the Deccan Plateau, at a height of over 900 m (3,000 ft) above sea level, Bengaluru is known for its pleasant climate throughout the year. Its elevation is the highest among the major large cities of India.

A succession of South Indian dynasties, the Western Gangas, the Cholas and the Hoysalas, ruled the present region of Bengaluru until in 1537 CE, Kempegowda a feudal ruler under the Vijayanagara Empire – established a mud fort considered to be the foundation of modern Bengaluru. The existing Kannada name, Bengaluru, was declared the official name of the city in 2006.

Now the city is one of the fastest growing cities in Asia. Bengaluru is known as the "Silicon Valley of India" (or "IT capital of India") because of its role as the nation's leading information technology (IT) export. Indian technological organizations ISRO, Infosys and Wipro are headquartered in the city. A demographically diverse city, Bengaluru is the second fastest-growing major metropolis in India. It is home to many educational and research institutions in India, such as Indian Institute of Science (IISc), Indian Institute of Management (Bengaluru) (IIMB), National Institute of Fashion Technology, Bengaluru,

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National Institute of Design, Bengaluru (NID R&D Campus), National Law School of India University (NLSIU) and National Institute of Mental Health and Neurosciences (NIMHANS). Numerous state owned aerospace and defence organisations, such as Bharat Electronics, Hindustan Aeronautics and National Aerospace Laboratories are located in the city. The city also houses the Kannada film industry. As a growing metropolitan city in a developing country, Bengaluru confronts substantial pollution and other logistical and socio-economic problems with a gross domestic product (GDP) of $83 billion. Bengaluru is ranked fourth in India by overall GDP contribution, after only Mumbai, Delhi and Kolkata

Along with the population the city has also seen many improvements in infrastructure road, highways. Flyovers are taking great part in the reduction of traffic.

Real estate is a critical aspect of much of the growth. The IT capital Bengaluru has surpassed both the commercial and political capitals of India as the top investment destination in the property market.

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BRUHAT BENGALURU MAHANAGARA PALIKE:

The **Bruhat Bengaluru Mahanagara Palike (BBMP)** is the administrative body responsible for the civic and infrastructural assets of the Greater Bengaluru metropolitan area.

The BBMP represents the third level of government, (the Central government and State Government being the first two levels). Bruhat Bengaluru Mahanagara Palike is run by a city council. The city council comprises elected representatives, called "corporators", one from each of the wards (localities) of the city. Elections to the council are held once every five years, with results being decided by popular vote. Members contesting elections to council represent one of more of the state's political parties. First elections to the newly created body were held on 28 March 2010, after the delays due to delimitation of wards and finalising voter lists.

The Bruhat Bengaluru Mahanagara Palike is the fourth largest Municipal Corporation in India, after the city corporations that administer Mumbai, Delhi and Chennai. The BBMP is responsible for infrastructural assets of the Greater Bengaluru Metropolitan area, spread across 741 km^2, with a population of 11.8 million.

Its roles and responsibilities include the "orderly development of the city" zoning and building regulations, health, hygiene, licensing, trade and education, as well as quality of life issues such as lung spaces, water bodies, parks and greenery

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OBJECTIVE OF THE PROJECT:

PLAYGROUND

Playground or Public grounds means the area outside a public building that is a traditional public forum where members of the public may safely gather to engage in expressive activity.

Playgrounds often also have facilities for playing informal games of adult sports, such as a Cricket, Badminton, Basket Ball, Etc

BADMINTON COURT

Badminton is a racquet sport played using racquets to hit a shuttlecock across a net. Although it may be played with larger teams, the most common forms of the game are "singles" (with one player per side) and "doubles" (with two players per side). Badminton is often played as a casual outdoor activity in a yard, formal games are played on a rectangular indoor court.

To encourage such constructions, Bruhat Bengaluru Mahanagara Palike is desirous of **"Construction of Compound Wall and Other Allied Works at Judicial Layout Play Ground in Ward No.04".**

The residents in ward no.04 and surrounding residential area people will be benefitted by this project.

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Criteria for site selection

The following criteria were used to assist in selecting the Multipurpose Building Site:

- People's need
- Accessibility
- Integration
- Recognition/visibility
- Availability and opportunity and
- Financial viability

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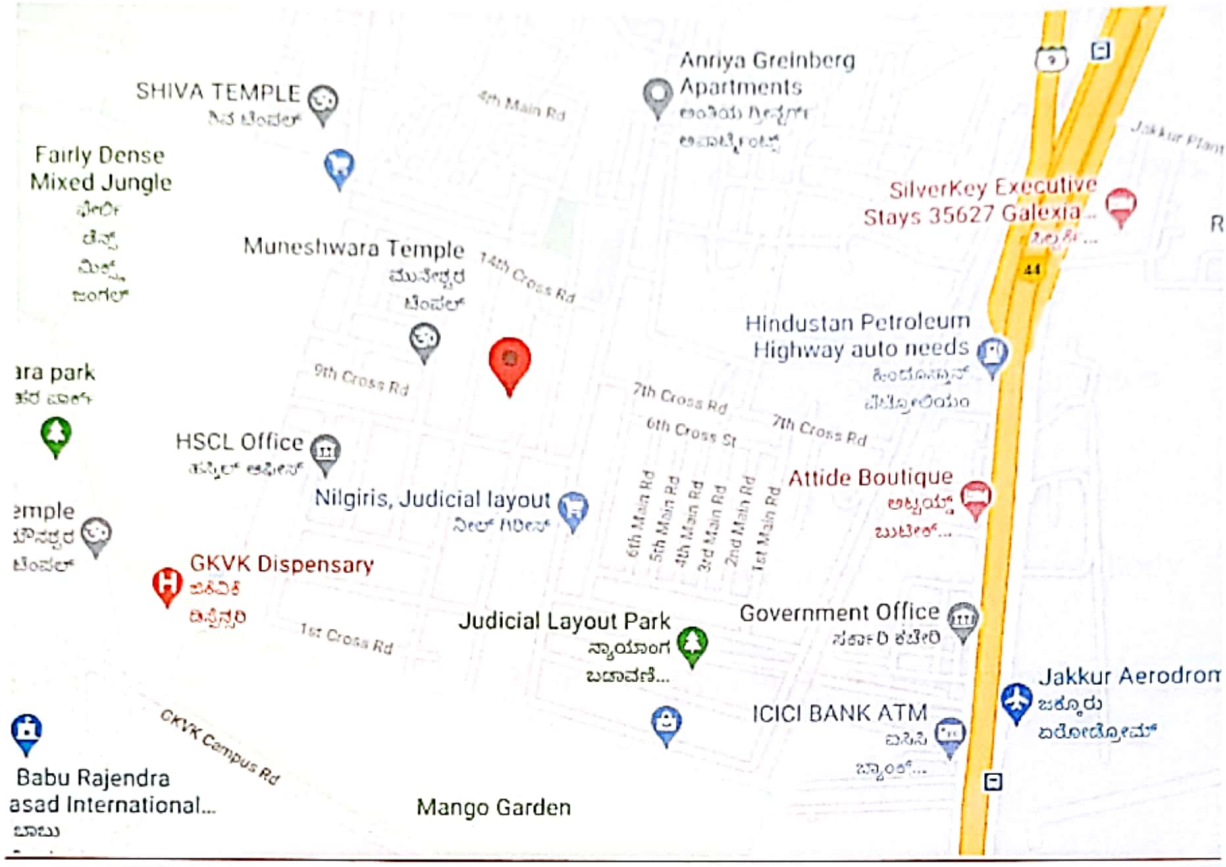
CURRENT SCENARIO



LOCATION: Playground, Judicial Layout.

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FEATURES OF THE PROJECT

Location	: Ward no.04, Bangalore
Land use as per master plan	: Construction of Playground, Badminton Court.
Ownership	: Bruhat Bengaluru Mahanagara Palike
Possession	: Bruhat Bengaluru Mahanagara Palike
Essential service	: Construction of Playground and Badminton Court
Cost of the project	: Rs Two Crore Fifty Lakhs only
Commencement of the project	: After the approval from the Competent body
Completion date as per agreement	: 12 months from the issue of work order

FEASIBILITY STUDY

This project, "Construction of Compound Wall and Other Allied Works at Judicial Layout Play Ground in Ward No.04" has viewed feasibility as involving the analysis of both social and financial issues.

The social component of the feasibility analysis involves understanding the following:

- Needs of local area people (both current and projected)
- The needs of service providers (both current and projected)
- Projected population growth and
- Public facility provision principles, standards and benchmarks

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The financial component of the feasibility analysis was based on the fundamental assumption that BBMP would retain ownership of its real property and to provide an ability to respond flexibly to the changing needs and priorities. It has involved understanding:

- Any further development potential on the proposed site and potential uses
- The cost of providing the whole development

The feasibility Report of the project is concluded with the key features of the project planning proposals along with the area statements.

PROPOSAL/PLANNING

Construction of Compound Wall and Other Allied Works at Judicial Layout Play Ground in Ward No.04 includes the following-

1) Retaining Wall: Retaining wall is a structure that retains (holds back) any material (usually earth) and prevents it from sliding or eroding away. It is designed so that to resist the material pressure of the material that it is holding back.

   Retaining Wall is provided on Northern Side and Eastern Side.

FINISHES:

- Wooden Flooring is provided for Badminton Court.
- ACP Cladding is provided for the Front Side of the Badminton Court.

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FINANCIAL IMPLICATION:

This is a government project and there will not be any collection of revenue for using this building on day to day basis. This will be maintained by BBMP.

BUDGET PROVISION:

In the proposed budget of Bengaluru Mahanagara Palike i.e., 2020-2021 Rs.2,50,00,000.00 (Rupees Two Crore Fifty Lakhs Only) has been provided for the "CONSTRUCTION OF COMPOUND WALL AND OTHER ALLIED WORKS AT JUDICIAL LAYOUT PLAY GROUND IN WARD NO.04"

CONCLUDING REMARKS:

This project, "CONSTRUCTION OF COMPOUND WALL AND OTHER ALLIED WORKS AT JUDICIAL LAYOUT PLAY GROUND IN WARD NO.04" will be useful as per the requirements. This Project provides better building service, and benefits for the local people.

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DETAILED ESTIMATE

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DRAFT TENDER SCHEDULE

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BILL OF QUANTITIES

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APPENDIX

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SITE PHOTOS

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CONSTRUCTION OF COMPOUND WALL AND OTHER ALLIED WORKS AT JUDICIAL LAYOUT PLAY GROUND IN WARD NO.04

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CONSTRUCTION OF COMPOUND WALL AND OTHER ALLIED WORKS AT JUDICIAL LAYOUT PLAY GROUND IN WARD NO.04

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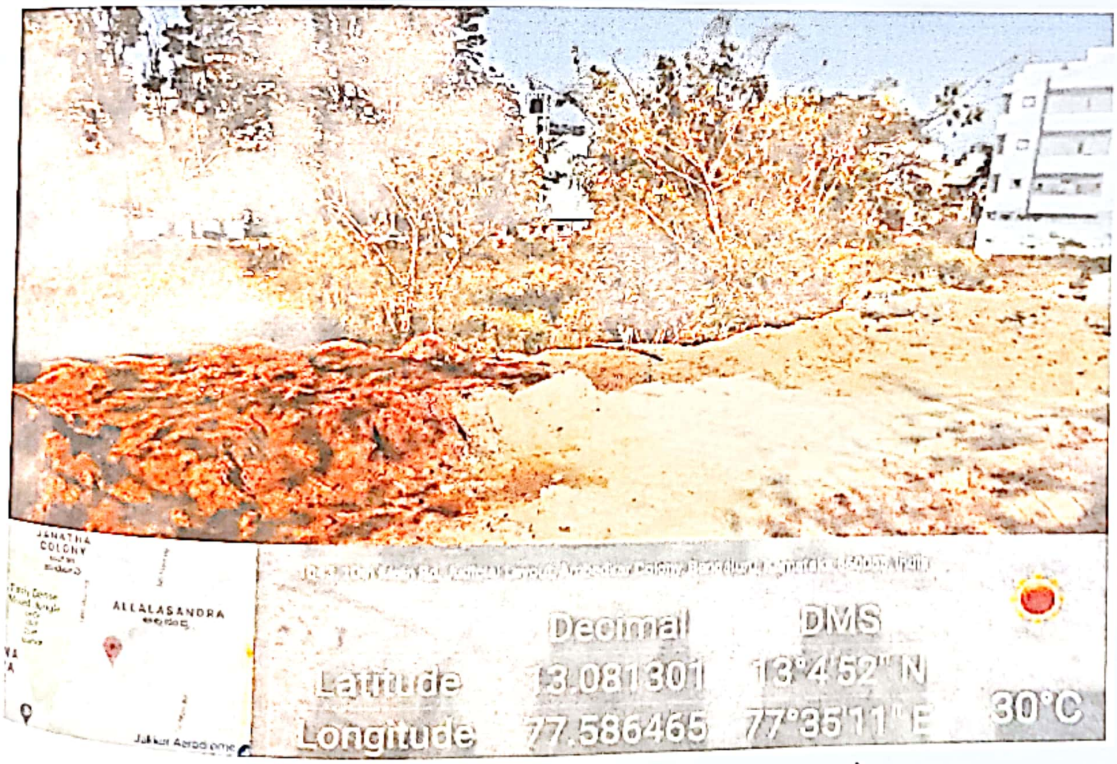
CONSTRUCTION OF COMPOUND WALL AND OTHER ALLIED WORKS AT JUDICIAL LAYOUT PLAY GROUND IN WARD NO.04



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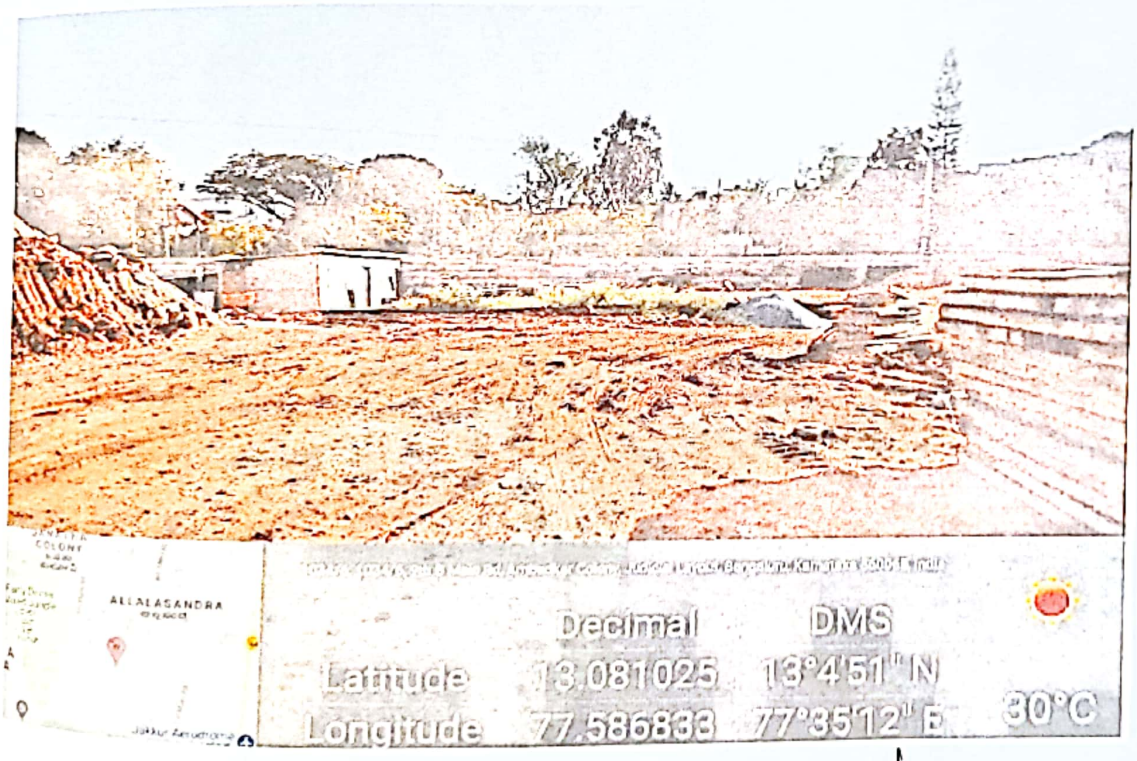
CONSTRUCTION OF COMPOUND WALL AND OTHER ALLIED WORKS AT JUDICIAL LAYOUT PLAY GROUND IN WARD NO.04



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DRAWINGS

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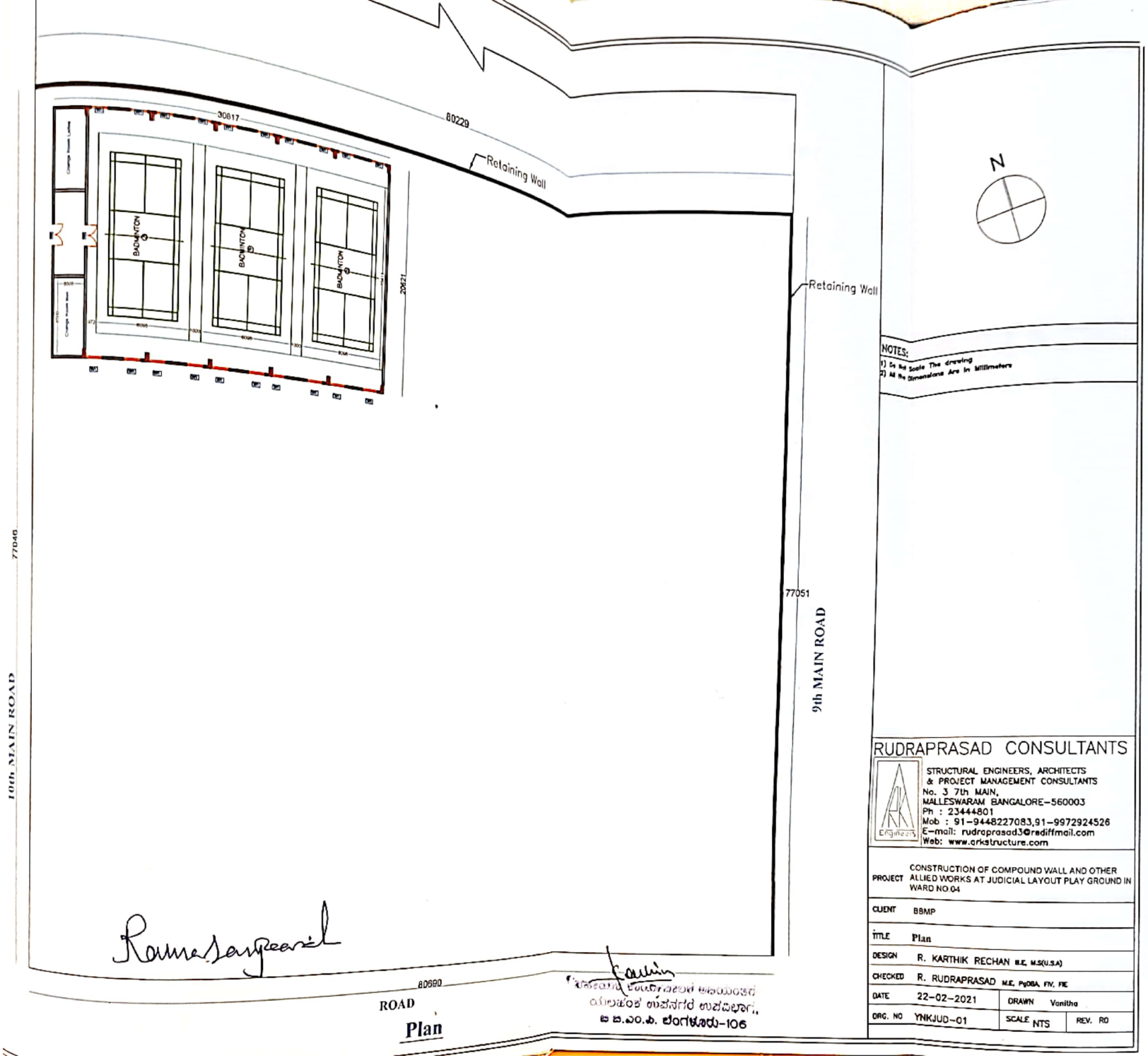

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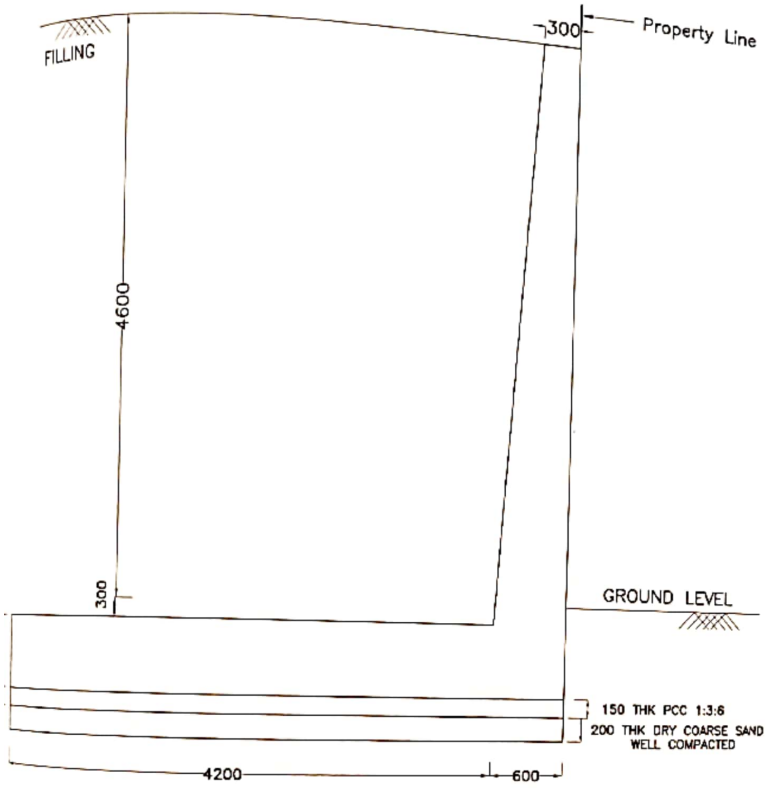
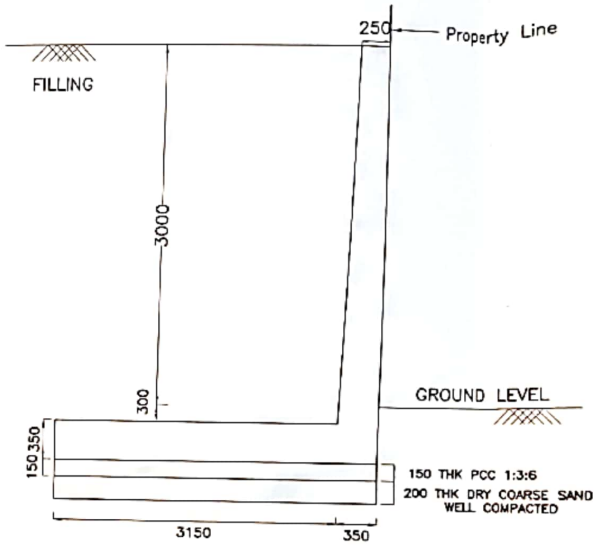


RETAINING WALL 4.6 m HEIGHT ABOVE GROUND LEVEL



RETAINING WALL 3 m HEIGHT ABOVE GROUND LEVEL

NOTES:

RUDRAPRASAD CONSULTANTS
STRUCTURAL ENGINEERS, ARCHITECTS & PROJECT MANAGEMENT CONSULTANTS

PROJECT: CONSTRUCTION OF COMPOUND WALL AND OTHER ALLIED WORKS AT JUDICIAL LAYOUT PLAY GROUND IN WARD NO.64

CLIENT: BBMP

TITLE: RETAINING WALL

DESIGN: R. KARTHIK REDDIAR

CHECKED: R. RUDRAPRASAD

DATE: 22-02-2021

DRG. NO: YNKJUD-03

SCALE: NTS

Ramaprasad

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